



Landfill Project Submittal Forms

Instructions:

These forms are to be used for reporting general Landfill Project information to the California Climate Action Registry in order to initiate the project listing process. All fields must be completed as thoroughly as is possible. If the project in question is still in the planning/development phase, all fields must be completed using best available data and estimations based on the proposed system design. Upon receipt of completed submittal forms, Registry staff will perform a general eligibility screen (in accordance with the most current version of the California Climate Action Registry Landfill Project Reporting Protocol) based on the information provided. Project Developers can expect an Invoice for the \$500 project listing fee within 15 days of receipt of the completed forms, and a letter regarding the status of project within 15 days of the receipt of the project listing fee. If a project passes the eligibility screen, it will be officially "listed" with the Climate Action Reserve

This is an interactive PDF form that can be filled out and saved as a PDF. All fields must be completed, if a field is not applicable insert N/A in the space provided. Submit the completed electronic form to syd@climateresistry.org with the subject line: Landfill Project Submittal Forms. Be sure to fill out the invoicing contact info below, in order to expedite the process.

Please provide contact information for invoicing purposes:

Name: Amy Watson

Email: Confidential

Address: Confidential

Phone: Confidential

Fax: Confidential

Version 2.0
April 2008



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Landfill Project Submittal

Form 1: General Landfill Information

1. Date of form completion:

August 22, 2008

2. Form completed by (name): Amy Watson (EcoSecurities)

3. Name of Landfill: Development Authority of North County (DANC) Landfill

4. Approximate Latitude/Longitude of Landfill Project (degrees/minutes/seconds):

43°49'12.27"N, 75°55'3.54"W

5. Address (including county):

23400 NYS Route 177, Rodman, NY, Jefferson County

6. Owner of Landfill and owner contact information:

Development Authority of North County (DANC)

7. Type of landfill (sanitary, controlled, or open dump):

Sanitary (NYS Part 360 compliant sanitary landfill)

8. Landfill size – designed area for waste placement (acre or hectare):

75-acre currently, with 100-acre available for expansion

9. Total waste in place (cubic meters or tons): 3,149,628 cubic meters, 3,548,208 tons (2007)

10. Designed landfill capacity (cubic meters or tonnes): 6,001,756 cubic meters (Phase I)



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11. Year landfill opened: 1992

12. Year landfill closed or estimated date of closure: 2018 (current), 2065 (expansion)

13. Approximation of percent municipal / industrial / inert wastes:
53%/14%/33% (see attached spreadsheet)

14. Average annual quantity of waste accepted at landfill (cubic meters or tonnes):

214,262 tonnes (236,184 tons) (rate has generally increased since opening, see spreadsheet)

15. Description of any regulatory framework for landfill methane capture and control (include an estimate of the date which the landfill will meet or exceed the 50 megagrams per year threshold of calculated NMOC emissions per NSPS/EG regulations and the type of testing that justifies the estimate (i.e. Tier 1 or Tier 2 NMOC emission rate estimates)):

NSPS/EG: 2007 Tier 2 NMOC emission rate: 3.96 Mg/yr. This site is not expected to ever exceed the 50 Mg/yr threshold for NSPS/EG regulation.

NESHAP: DANC Landfill is not classified as a 'major source of Hazardous Air Pollutants (HAPs)' and therefore does not trigger NESHAP applicability requirements.

16. Description of local and state air and water quality, explosive gas, or other regulations pertinent to the project:

No specific New York State requirement for installing and operating a LFG collection or control system.



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17. Is this project required by any local, state, or federal regulation? Yes ☐ No ☒

Comments (if any):

18. When did the project first commence operation, or when is the project expected to commence operation?

Operational March 28, 2001

19. Description of waste picker and recycling activities:

No sorting, no scavenging allowed. Recycling activities occur prior to transport to landfill.

20. Has a detailed monitoring plan been developed for this project? If not, what date will a monitoring plan be in place?

Yes

21. What Version or publication date of the Landfill Project Reporting Protocol is the project documentation based upon? Version 1.0

22. Have any vintage reduction tons from the project ever been registered with or claimed by another registry or program, or sold to another third party prior to registering with the Reserve?

Yes, vintages from 2003-2007 have been previously verified and sold.

If the answer is yes, you must complete and return a "*Project Transfer*" form.



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22. Waste Characteristics Table

<i>Waste Types</i>	Estimated Percent of Waste Stream
Food Waste	
Garden and park waste	
Wood	
Paper and textiles	See attached spreadsheet
Plastics	
Concrete	
Metal	
Other Inert waste	

Explain basis of estimates (i.e. site specific information, regional or national studies, etc.):

Site waste acceptance records



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Form 2: Pre existing landfill gas control system information

1. Type of existing landfill gas collection and control system in place, if any (e.g., flare, energy recovery etc.):

N/A

- i. If Landfill gas collection system is in place, is the system actively collecting or passively venting gas?

N/A

- ii. If flare or energy project is in place, what is the landfill gas flow rate (in scfm) and methane content?

N/A

- iii. Supply a copy of the as built drawings for the existing system. (Attach as a separate PDF file titled: Existing LFG System Diagram)

- iv. Name of system designer, address and other contact information.

N/A

2. When was this control system installed and operational?

N/A

3. Provide a summary of the permits obtained to build and operate this Landfill Gas Control System).

N/A



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Form 3: Landfill gas utilization information for project activity

1. Landfill gas utilization (e.g., flared, generation of electricity, use on-site as a boiler or furnace fuel, or sale to a third party):

2001-2008 flare-only, in October 2008 electricity generation will be added.

2. When was this combustion/LFG utilization system installed and operational, or when is it expected to be installed and operational?

Flare was installed/operational in 2001, electricity generation will be operational October 2008 (approx).

3. If designed to generate electricity:

- a. Type of engine-generator set (e.g., internal combustion engine, micro turbine or fuel cell with the name of the manufacturer, model, power output rating (kW or MJ) for biogas, and nominal voltage :

IC engine, Caterpillar 3520, 1,600 kW, 4,160 volt output.

- b. Pretreatment of landfill gas (e.g., none, condensate trap, dryer, hydrogen sulfide removal, etc. with the names of manufacturers, models, etc.):

Dual condensate trap, chiller unit, glycol separator, coalescing unit, & proprietary gas treatment by energy developer (Innovative Energy Solutions - IES).

- c. Exhaust gas emission control (e.g., none, catalytic converter, etc.):

Not expected - engines on generator are Tier III (highest U.S. standard) emission compliant.

- d. If interconnected with an electric utility:

- Name of the utility: National Grid
-

- Type of utility contract (e.g., sell all/buy all, surplus sale, or net metering):

Sell all (except house parasitic load)



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e. If engine-generator set waste heat utilization:

- Heat source (e.g., cooling system or exhaust gas or both) and heat recovery capacity (Btu or kJ/hr):

N/A

- Waste heat utilization (e.g., water heating, space heating, etc.):

N/A

4. If designed to use on-site as a boiler or furnace fuel, a description of the boiler or furnace including manufacturer, model, and rated capacity (Btu or kJ/hr):

N/A

5. If designed for biogas sale to a third party, a description of the methods of processing, transport, and end use:

N/A

- a. Pretreatment of Biogas (e.g., none, condensate trap, dryer, hydrogen sulfide removal, etc.) include names of manufacturer, model etc.:

N/A

- b. Exhaust gas emission controls from gas processing step:

N/A



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6. Provide a summary of the permits obtained to build and operate this Landfill Gas Utilization System).

Air Title V Facility (Permit No. 6-2252-00007/00015, effective 08/15/2006-08/14/2011)
NY Part 360 (Permit No. 6-2252-00007/00006, effective 06/3/2008-08/27/2012)

